MAN301 music archive network player

A MAN301 system comprises of:
- A base station which does CD ripping, media management, audio processing and playback etc.
- An Apple iPad as the remote control
- An external storage device, preferably a NAS (Network Attached Storage)

The Base Station

The base station allows to rip CDs and store them on an external storage medium in various formats. Downloading music files from the Internet or streaming Podcasts or Internet Radio is also possible. A CD can be played directly without ripping it first. The music on the storage device gets streamed into the MAN301 via Ethernet, USB or Firewire and subsequently played back via a built-in D/A converter or via digital outputs (Firewire, USB, AES/EBU, S/PDIF). The basic volume can be set in four steps in the analog domain. With the iPad App the volume can be controlled in a continuous manner.
There are two versions of the MAN301, one including a built-in DAC, one excluding the DAC. Both versions allow to connect an external DAC via Firewire, USB, AES/EBU, S/PDIF. The internal DAC can be user installed at any time.
Sampling rates up to 192kHz and all common audio file formats (uncompressed, losslessly compressed and even lossy compressed) are supported.
It is possible to have several user accounts on a MAN301 system. Several NAS devices can be combined into a single library.

Ethernet for network connection (NAS, Internet), USB for external storage devices or an external D/A Converter

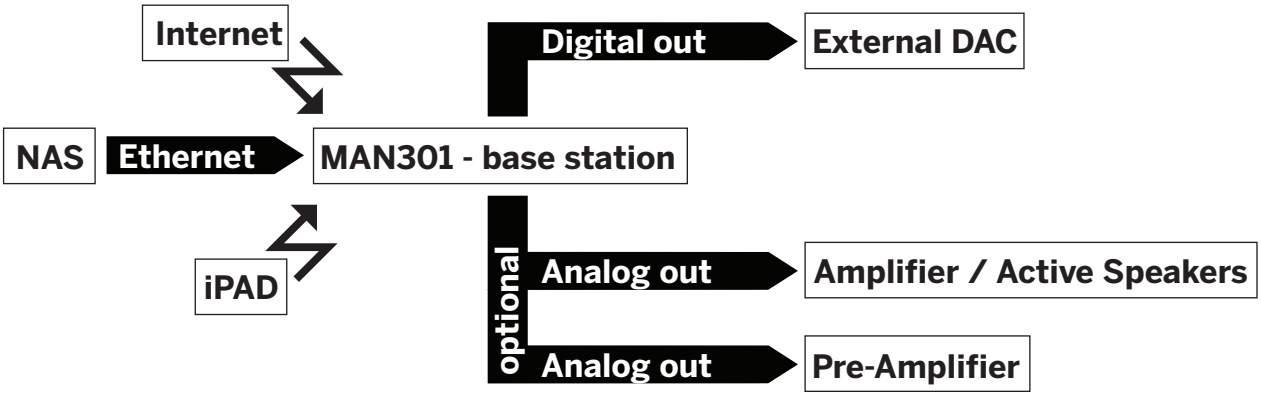
Firewire for external storage devices or an external D/A Converter

WiFi antenna for iPad, Internet

Stereo analog outputs on XLR (balanced) and RCA (unbalanced) connectors

Outputs: AES/EBU on XLR, S/PDIF on RCA
Inputs: AES/EBU on XLR, S/PDIF on RCA, Toslink
Synchronization: Wordclock input / output on BNC

A typical system



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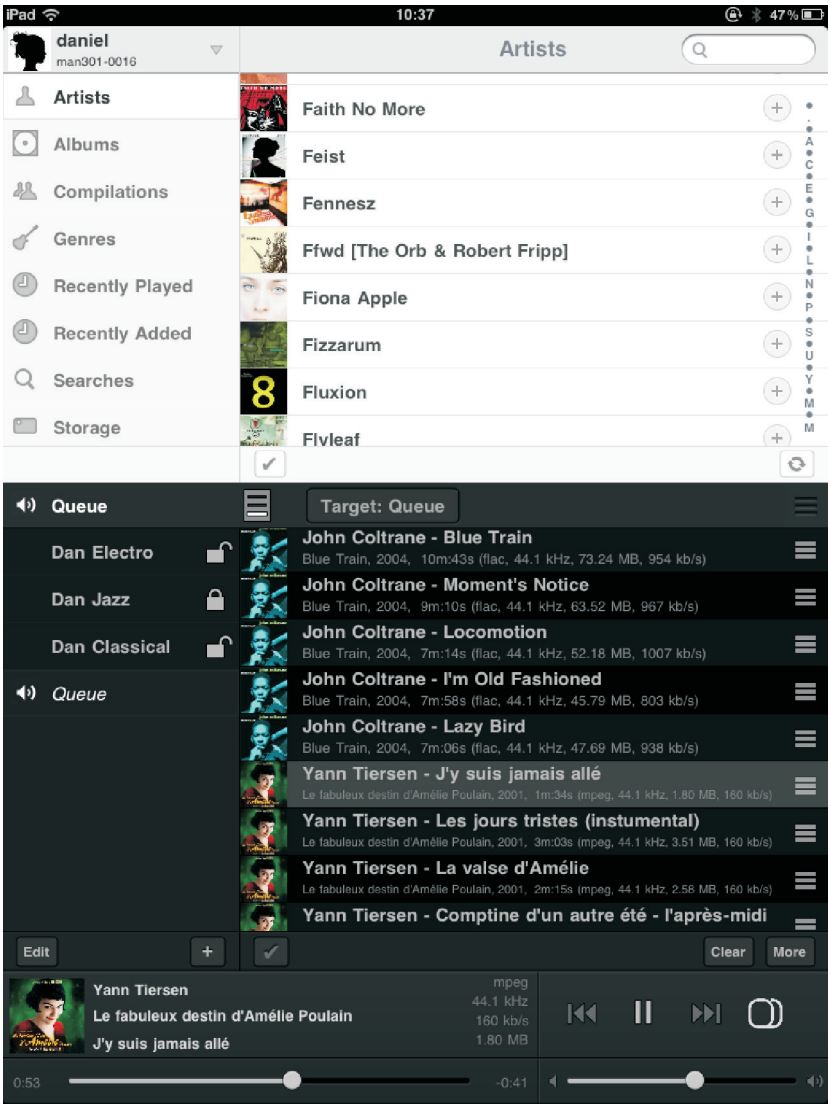
The Remote Control

The iPad remote control App controls the base station. The App allows for all common tasks to maintain a music library, playing tracks, assembling playlists etc.



Library-view

List views for: Artists, Albums, Compilations, Genres, Recently Played, Recently Added, Searches (allows to easily filter and store well defined subsets of the entire collection), Storage Selection, etc.

Playlists, have many different playlist, easily assembled from the library.

Player bar, with volume control, progress bar, repeat facility. Tapping on the cover art in the lower left corner reveals the «Show-view» as seen below.

Show-view

Cover art of the playing track, tapping on the cover art controls play / pause, swiping controls previous / next song, tap and hold enters the artwork searching where new artwork can be fetched from the Internet. A powerful artwork searching algorithm helps in most cases.

Cover art of the playlist tracks, swiping scrolls through the playlist.

Player bar, as described above.

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